



PTO/SB/08A (08-03)

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known

Application Number	10/519,821
Filing Date	December 30, 2004
First Named Inventor	Henry Daniell
Art Unit	1638
Examiner Name	Anne R. Kubelik
Attorney Docket Number	CHL-T107C222

Sheet 1 of 5

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code* (if known)			
	U1	US-5,932,479	03-08-1999	Daniell <i>et al.</i>	All
	U2	US-5,693,507	12-02-1997	Daniell <i>et al.</i>	All
	U3	US-			
	U4	US-			
	U5	US-			
	U6	US-			
	U7	US-			
	U8	US-			
	U9	US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	†
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
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	F7					

Examiner
Signature

/Anne Kubelik/

Date

Considered

03/03/2008

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Sheet 2 of 5

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	R1	APSE, M.P. <i>et al.</i> , "Engineering salt tolerance in plants", <i>Current opinion in Biotechnol.</i> , 2002, pp. 146-150, Vol. 213.	
	R2	CORNEILLE, S., <i>et al.</i> "Efficient elimination of selectable marker genes from the plastid genome by the CRE-lox site-specific recombination system", <i>Plant J.</i> , 2001, pp. 171-178, Vol. 27.	
	R3	DANIELL, H., <i>et al.</i> "Multigene engineering: Dawn of an exciting new era in biotechnology", <i>Curr. Opin. Biotechnol.</i> , 2002, pp. 138-141 Vol. 13.	
	R4	DANIELL, H. <i>et al.</i> , "Transient foreign gene-expression in chloroplasts of cultured tobacco cells after biolistic delivery of chloroplast vectors", <i>Proc. Natl. Acad. Sci. U. S. A.</i> , 1990, pp. 88-92, Vol. 87.	
	R5	DANIELL, H., "Medical molecular farming: production of antibodies, biopharmaceuticals and edible vaccines in plants", <i>Trends in Plant Sci.</i> , 2001, pp. 219-226, Vol. 6, No. 5.	
	R6	DANIELL, H., "Molecular strategies for gene containment in transgenic crops", <i>Nature Biotechnol.</i> , 2002, pp. 581-586, Vol. 20.	
	R7	DANIELL, H., "Transformation and foreign gene expression in plants mediated by microparticle bombardment", <i>Methods Mol. Biol.</i> , 1997, pp. 463-489, Vol. 62.	
	R8	DANIELL, H., <i>et al.</i> , "Containment of herbicide resistance through genetic engineering of the chloroplast genome", <i>Nat. Biotechnol.</i> , 1998, pp. 345-348, Vol. 16.	
	R9	DANIELL, H., <i>et al.</i> , "Milestones in chloroplast genetic engineering: an environmentally friendly era in biotechnology", <i>Trends Plant Sci.</i> , 2002, pp. 84-91, Vol. 7, No. 2.	
	R10	DANIELL, H., <i>et al.</i> , "Expression of Native cholera toxin B subunit gene and assembly as functional oligomers in transgenic tobacco chloroplasts", <i>J. Mol. Biol.</i> , 2001, pp. 1001-1009 Vol. 311.	
	R11	DANIELL, H., <i>et al.</i> , "Marker free transgenic plants: engineering the chloroplast genome without the use of antibiotic selection", <i>Curr. Genet.</i> , 2001, pp. 109-116, Vol. 39.	
	R12	DECOSA, B., <i>et al.</i> , "Overexpression of the <i>Bt</i> Cry2Aa2 operon in chloroplasts leads to formation of insecticidal crystals", <i>Nat. Biotechnol.</i> , 2001, pp. 71-74 Vol. 19.	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 3 of 5

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Application Number	10/519,821
Filing Date	December 30, 2004
First Named Inventor	Henry Daniell
Group Art Unit	1638
Examiner Name	Anne R. Kubelik
Attorney Docket Number	CHL-T107C222

NON PATENT LITERATURE DOCUMENTS

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	R13	DEGRAY, G. <i>et al.</i> , "Expression of an antimicrobial peptide via the chloroplast genome to control phytopathogenic bacteria and fungi", <i>Plant Physiol.</i> , 2001, pp. 852-862, Vol. 127.	
	R14	FIGUEROA-SOTO, C.G. <i>et al.</i> , "Immunolocalization of Betaine Aldehyde Dehydrogenase in Porcine Kidney", <i>Biochemical and Biophysical Research Communications.</i> , 1999, pp. 732-736 Vol. 258, No. 3.	
	R15	GAMBORG, O.L., <i>et al.</i> , Nutrient requirements of suspension cultures of soybean root cells. <i>Exp. Cell Res.</i> 1968, pp. 151-158, Vol. 50, No. 1 (Abstract Only)	
	R16	GUDDA, C. <i>et al.</i> , "Stable expression of biodegradable protein-based polymer in tobacco chloroplasts", <i>Plant Cell Rep.</i> , 2000, pp. 257-262 Vol. 19.	
	R17	HAJDUKIEWICZ, P., <i>et al.</i> , "Multiple pathways for Cre/lox-mediated recombination in plastids", <i>Plant J.</i> , 2001, pp. 161-170, Vol. 27(2).	
	R18	HIBBERD, J. M. <i>et al.</i> , "Transient expression of green fluorescent protein in various plastid types following microprojectile bombardment", <i>The Plant Journal</i> , 1998, pp. 627-632, Vol. 16, No. 5.	
	R19	HOU, B-K. <i>et al.</i> , "Chloroplast Transformation in Oilseed Rape", <i>Transgenic Res.</i> 2003, pp. 111-114 Vol. 12.	
	R20	HUANG, F.C. <i>et al.</i> , "Efficient plastid transformation in tobacco using the <i>aphA-6</i> gene and kanamycin selection", <i>Mol. Gen. Genomics</i> , 2002, pp. 19-27, Vol. 268.	
	R21	INCHAROENSAKDI, A. <i>et al.</i> , "Salt stress enhances choline uptake in the halotolerant cyanobacterium <i>Aphanethece halophytica</i> " <i>Biochimica et Biophysica Acta (BBA)</i> 2003, pp. 102-109, Vol. 1621.	
	R22	IAMTHAM, S., <i>et al.</i> , "Removal of antibiotic resistance genes from transgenic tobacco plastids", <i>Nat. Biotechnol.</i> : 2000, pp. 1172-1176, Vol. 18.	
	R23	KHAN, M. S. <i>et al.</i> , "Fluorescent antibiotic resistance marker for tracking plastid transformation in higher plants", <i>Nat. Biotechnol.</i> 1999, pp. 910-915, Vol. 17.	
	R24	KOTA, M. <i>et al.</i> , "Overexpression of the <i>Bacillus thuringiensis</i> (Bt) Cry2Aa2 protein in chloroplasts confers resistance to plants against susceptible and Bt-resistant insects", <i>Proc. Natl. Acad. Sci. USA</i> , 1999, pp. 1840-1845, Vol. 96.	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 4 of 5

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Application Number	10/519,821
Filing Date	December 30, 2004
First Named Inventor	Henry Daniell
Group Art Unit	1638
Examiner Name	Anne R. Kubelik
Attorney Docket Number	CHL-T107C222

NON PATENT LITERATURE DOCUMENTS

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	R25	LAEMMLI, U.K. "Cleavage of structural proteins during the assembly of the head of bacteriophage T4", <i>Nature</i> , 1970, pp. 680-685, Vol. 227.	
	R26	LARKIN, P.J. et al., "Somaclonal variation - a novel source of variability from cell cultures for plant improvement", <i>Theor. Appl. Genet.</i> , 1981, pp. 197-214, Vol. 60.	
	R27	MCBRIDE, K.E. et al., "Amplification of a chimeric Bacillus gene in chloroplasts leads to an extraordinary level of an insecticidal protein in tobacco" <i>Bio/Technology</i> , 1995, pp. 362-365, Vol. 13.	
	R28	MILLAN, F.S. A. et al., "A chloroplast transgenic approach to hyper-express and purify human serum albumin, a protein highly susceptible to proteolytic degradation", <i>Plant Biotechnol. J.</i> , 2003, pp. 71-79, Vol. 1.	
	R29	MOGHAIAB, R.E.A. et al., "Expression of betaine aldehyde dehydrogenase gene in transgenic tomato hairy roots leads to the accumulation of glycine betaine and contributes to the maintenance of the osmotic potential under salt stress", <i>Soil Science and Plant Nutrition</i> , 2000, pp. 873-883, Vol. 46.	
	R30	NAGAMORI, E. et al., "Release of Embryogenic Carrot Cells with High Regeneration Potency from Immobilized Alginate Beads", <i>Journal of Bioscience and Bioengineering</i> , 1999, 226-228, Vol. 88.	
	R31	PREDIERI, S., "Mutation induction and tissue culture in improving fruits", <i>Plant cell, tissue and organ culture</i> , 2001, pp. 185-210, Vol. 64. (Abstract Only)	
	R32	RONTEIN, D. et al., "Metabolic Engineering of Osmoprotectant Accumulation in Plants", <i>Metabolic Engineering</i> , 2002, pp. 49-56, Vol. 4.	
	R33	RUF, S. et al., "Stable genetic transformation of tomato plastids and expression of a foreign protein in fruit", <i>Nat. Biotechnol.</i> , 2001, pp. 870-875, Vol. 19.	
	R34	RUIZ, O.N. et al., "Phytoremediation of organomercurial compounds via chloroplast genetic engineering", <i>Plant Physiol.</i> , 2003, pp. 1344-1352	
	R35	SASAKI, Y. et al., "Correlation of plastid DNA copy number with plastid gene-expression in various organs in mature pea-plants (<i>Pisum sativum</i> L.)", <i>Plant Cell Physiol.</i> , 1990, pp. 925-931, Vol. 3, No. 7 (Abstract Only).	
	R36	SERRA, E. C. et al., "DNA polymerase activity of tomato fruit chromoplasts", <i>FEBS Letters</i> . 1990, pp. 102-106 Vol. 275.	

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	R37	SHINOZAKI, K. <i>et al.</i> , "The complete nucleotide sequence of the tobacco chloroplast genome: its gene organization and expression", <i>EMBO J.</i> , 1986, pp. 2043-2049, Vol. 5.	
	R38	SIDOROV, V.A. <i>et al.</i> , "Technical advance: stable chloroplast transformation in potato: use of green fluorescent protein as a plasmid marker", <i>Plant J.</i> , 1999, pp. 209-216, Vol. 19.	
	R39	SIKDAR, S.R. <i>et al.</i> , "Plastid transformation in <i>Arabidopsis thaliana</i> ", <i>Plant Cell Rep.</i> , 1998, pp. 20-24, Vol. 18, No. 1 (Abstract Only).	
	R40	STAUB, J.M. <i>et al.</i> , "High-yield production of a human therapeutic protein in tobacco chloroplasts", <i>Nat. Biotechnol.</i> , 2000, pp. 333-338, Vol. 18, No. (Abstract only)	
	R41	TESSERAU, H. <i>et al.</i> , "Cryopreservation of somatic embryos: A tool for germplasm storage and commercial delivery of selected plants" <i>Annals of Botany</i> , 1994, pp. 547-555, Vol. 74.	
	R42	TIMBERT, R. <i>et al.</i> , "Enhancing carrot somatic embryos survival during slow dehydration, by encapsulation and control of dehydration", <i>Plant Sci.</i> , 1996, pp. 215-222, Vol. 120, No. 2. (Abstract Only)	
	R43	TREGONING, J.S. <i>et al.</i> , "Expression of tetanus toxin Fragment C in tobacco chloroplasts", <i>Nucleic Acids Res.</i> , 2003, pp. 1174-1179, Vol. 31, No. 4.	
	R44	VALENZUELA-SOTO, E.M. <i>et al.</i> , "Purification and properties of betaine aldehyde dehydrogenase extracted from detached leaves of <i>Amaranthus hypochondriacus</i> L. subjected to water deficit" <i>J. Plant Physiol.</i> , 1994, pp. 145-152, Vol. 143, No. 2. (Abstract Only)	
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	R46	VIVEK, B.S. <i>et al.</i> , "Evidence for maternal inheritance of the chloroplast genome in cultivated carrot (<i>Daucus carota</i> L. ssp. <i>Sativus</i>)", <i>Theor Appl Genet.</i> , 1999, pp. 669-672, Vol. 98.	
	R47	YAN, W. <i>et al.</i> , "Reanalysis of vernalization data of wheat and carrot", <i>Annals of Botany</i> , 1999, pp. 615-619, Vol. 84.	
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